THE ANDERSONS
SAFETY DATA SHEET

DATE PREPARED: 01/17/19 CURRENT AS OF: 1/6/22

SECTION 1: PRODUCT / SUPPLIER IDENTIFICATION

PRODUCT CODE: 10005838, 10005839, 10003522

PRODUCT NAME: 21-0-4 FERTILIZER WITH GRUBOUT® INSECTICIDE

PRODUCT USE: Fertilizer/Pesticide

MFR INFO: The Andersons, Inc.
PO Box 119
Maumee, OH 43537

FOR EMERGENCY: (800) 757-8951
FOR INFORMATION: (419) 893-5050

SECTION 2: HAZARDS IDENTIFICATION

HAZARD SYMBOLS / STATEMENTS:

WARNING **CAUSES SKIN, EYE AND RESPIRATORY IRRITATION.**

HAZARD CLASSIFICATIONS:	**CATEGORY**	**INTERPRETATION**
EYE IRRITATION	2B	Causes eye irritation
SKIN IRRITATION	2	Causes skin irritation
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE	3	Causes irritation to respiratory tract

PRECAUTIONARY STATEMENTS:

- *WEAR PROTECTIVE GLOVES AND CLOTHING*
- *REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE*
- *DO NOT BREATHE DUSTS*
- *IF INHALED: MOVE TO FRESH AIR AND KEEP COMFORTABLE. SEEK MEDICAL ATTENTION IF UNWELL*
- *USE ONLY OUTDOORS OR IN WELL-VENTILATED AREA*
- *CALL POISON CONTROL OR SEEK MEDICAL ATTENTION IF YOU FEEL UNWELL*
- *WASH THOROUGHLY AFTER HANDLING*
- *DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT*
- *IF SWALLOWED: RINSE MOUTH AND SEEK MEDICAL ATTENTION*
- *IF IN EYES OR ON SKIN: RINSE AREA WITH PLENTY OF WATER, REMOVE CONTACT LENSES*
- *IF EYE OR SKIN IRRITATION CONTINUES: SEEK MEDICAL ATTENTION*

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL IDENTITY	SYNONYM	CAS NUMBER	CONCENTRATION (%)
Limestone	Calcite	1317-65-3	40-50
Urea		57-13-6	40-50
Potassium Chloride	White potash	7447-40-7	1-10
Clay	Agsorb	Not listed	1-10
Imidacloprid		138261-41-3	<1.0%

SECTION 4: FIRST AID MEASURES

IF INHALED: Move to fresh air and keep comfortable, seek medical attention if unwell.

IF ON SKIN: Wash affected areas with soap and water. Seek medical attention if irritation persists. Wash contaminated clothing before re-use.

IF IN THE EYES: Immediately flush with water for 15-20 minutes, seek medical attention if irritation persists.

IF SWALLOWED: Rinse mouth. DO NOT INDUCE VOMITING unless directed by a medical professional. Seek medical attention if unwell.

SPECIAL TREATMENT: None known

HEALTH HAZARDS: See Section 11

SECTION 5: FIREFIGHTING MEASURES

EXTINGUISHING MEDIA: Use media suitable for surrounding fire. No special media required.

SPECIFIC FIRE HAZARDS: When heated to decomposition, this product will emit toxic oxides, chlorides and ammonia.

SPECIAL FIREFIGHTING PROCEDURES: Wear full protective clothing and positive-pressure self-contained breathing apparatus (SCBA).

SECTION 6: ACCIDENTAL RELEASE MEASURES

SPILL / RELEASE PROCEDURES: Contain material and place in containers for use as intended, or discard according to Federal, State and Local regulations.

ENVIRONMENTAL PRECAUTIONS: Prevent spilled material from entering storm drains or water bodies. If material enters a waterway, notify the appropriate authorities.

PROTECTIVE EQUIPMENT: Wear PPE according to Section 8

SECTION 7: HANDLING AND STORAGE

Avoid creating or accumulating dusts during processing and application. Wash hands after handling material. Do not eat, drink or smoke while handling the material. Avoid breathing dusts. Not intended for human consumption. Do not store with food or feedstuffs. Store in a cool, dry, well-ventilated area away from incompatible materials.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS:

The following constituents are the only constituents of the product, which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

HAZARDOUS COMPONENT	OSHA PEL	ACGIH TLV
Potassium Chloride	15 mg/m^3 (total) 5 mg/m^3 (respirable)	10 mg/m^3 (inhalable) 3 mg/m^3 (respirable)
Limestone	15 mg/m^3 (total) 5 mg/m^3 (respirable)	10 mg/m^3 (inhalable) 3 mg/m^3 (respirable)

PERSONAL PROTECTIVE EQUIPMENT / PROTECTION MEASURES / CONTROLS:

RESPIRATORY PROTECTION: NIOSH approved respirator, if required

EYE PROTECTION: Safety glasses with sideshields, goggles, or faceshield

SKIN PROTECTION: Appropriate for the task. Impervious and compatible with material

VENTILATION: Use with adequate ventilation

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:	Multi-colored granular mix with slight ammonia odor
pH:	Not Applicable
MELTING POINT:	Not applicable
BOILING POINT:	Not available
FLASH POINT:	Not flammable
EVAPORATION RATE:	Not available
FLAMMABLE LIMITS:	Not applicable
VAPOR PRESSURE:	Not available
VAPOR DENSITY:	Not available
SPECIFIC GRAVITY:	~0.955
SOLUBILITY (IN WATER):	Soluble
PARTITION COEFFICIENT:	Not available
AUTOIGNITION TEMP:	Not available
DECOMPOSITION TEMP:	Not available
ODOR THRESHOLD:	Not available
VISCOSITY:	Not available

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Product is stable.

CONDITIONS TO AVOID: Heat, accumulation of dusts

INCOMPATIBILITY: Strong acids, bases and oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS: Toxic oxides, chlorides and ammonia.

SECTION 11: TOXICOLOGICAL INFORMATION

HEALTH EFFECTS: Causes skin, eye and respiratory irritation.

CARCINOGENICITY: None of the ingredients are known / listed carcinogens. However, the product may contain trace amounts of crystalline silica, which is listed by IARC as a potential human carcinogen.

INGREDIENT TOXICITY RANGES:

ORAL: > 450 mg/kg (imidacloprid) – 14,300 mg/kg (urea)

INHALATION: > 5,323 mg/m^3 (imidacloprid, 4hr dust)
> 69 mg/m^3 (imidacloprid, 4hr aerosol)

SECTION 12: ECOLOGICAL INFORMATION

Very toxic to aquatic life with long lasting effects. Long-term degradation products may arise. Products of degradation are not expected to be hazardous.

SECTION 13: DISPOSAL CONSIDERATIONS

Use product for intended purpose where possible. Dispose of in accordance with all national, regional / state, and local regulations.

SECTION 14: TRANSPORT INFORMATION

This product is not regulated as a transportation hazard.

SECTION 15: REGULATORY INFORMATION

SARA 311/312: ACUTE

SECTION 16: OTHER INFORMATION

NFPA RATINGS:	HEALTH	1
	FLAMMABILITY	0
	INSTABILITY	0
HMIS RATINGS:	HEALTH	1
	FLAMMABILITY	0
	INSTABILITY	0

ACTIVE INGREDIENT LEVEL (%): 0.200 as imidacloprid

PREPARED BY: DBA EHS Consulting

The information and data contained herein is based upon facts considered to be correct as of the date hereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will The Andersons be responsible for damages of any nature whatsoever resulting from the use or reliance upon this information. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to information or the product to which this information refers.